



#9

Sheet 1 of 5

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
100086.407C7APPLICATION NO.
10/006,869

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Orest W. Blaschuk et al.

FILING DATE

December 4, 2001

GROUP ART UNIT

1631
~~Not Yet Assigned~~

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA	AA	5,585,351	12/17/96	Ranscht	514	12	
	AB	5,597,725	1/28/97	Suzuki	435	328	
	AC	5,610,281	3/11/97	Brenner et al.	530	388.85	
	AD	5,639,634	6/17/97	Suzuki	435	69.1	
	AE	5,643,781	7/1/97	Suzuki	435	325	
	AF	5,646,250	7/8/97	Suzuki	530	350	
	AG	5,663,300	9/2/97	Suzuki	530	350	
	AH	5,708,143	1/13/98	Suzuki	530	350	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
MA	AI	GB 2282379 A	4/5/95	England		
	AJ	WO 91/04745	4/18/91	WIPO		
	AK	WO 94/11401	5/26/94	WIPO		
	AL	WO 96/27387	9/12/96	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	AM	Albelda et al., "Adhesion Molecules and Inflammatory Injury," <i>FASEB J.</i> 8(8): 504-512, 1994.
	AN	Berndorff et al., "Liver-Intestine Cadherin: Molecular Cloning and Characterization of a Novel Ca ²⁺ -dependent Cell Adhesion Molecule Expressed in Liver and Intestine," <i>The Journal of Cell Biology</i> 125(6): 1353-1369, 1994.
	AO	Blaschuk et al., "E-cadherin, estrogens, and cancer: is there a connection?," <i>The Canadian Journal of Oncology</i> 4(4): 291-301, 1994.
	AP	Busselmakers et al., "The role of OB-cadherin in human prostate cancer," <i>Proceedings of the American Association for Cancer Research</i> , Vol. 39, New Orleans, LA, March, 1998, page 500.

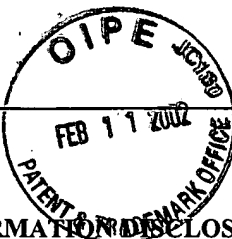
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GROUP ART UNIT

10-3 /
~~Not Yet Assigned~~

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA	BA	5,811,514	9/22/98	Bard et al.	530	324	
MA	BB	5,916,771	6/29/99	Hori et al.	435	69.6	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
MA	BC	WO 98/02452	1/22/98	WIPO		
MA	BD	WO 98/25946	6/18/98	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	BE	Edgington, "How Sweet It Is: Selectin-Mediating Drugs," <i>Bio/Technology</i> 10(4): 383-389, 1992.
	BF	Fredette and Ranscht, "T-Cadherin Expression Delineates Specific Regions of the Developing Motor Axon-Hindlimb Projection Pathway," <i>The Journal of Neuroscience</i> 14(12): 7331-7346, 1994.
	BG	Getsios et al., "Regulated Expression of Cadherin-6 and Cadherin-11 in the Glandular Epithelial and Stromal Cells of the Human Endometrium," <i>Developmental Dynamics</i> 211: 238-247, 1998.
	BH	Grillner and Matsushima, "The Neural Network Underlying Locomotion in Lamprey - Synaptic and Cellular Mechanisms," <i>Neuron</i> 7: 1-15, 1991.
	BI	Inoue et al., "Cadherin-6 in the Developing Mouse Brain: Expression Along Restricted Connection Systems and Synaptic Localization Suggest a Potential Role in Neuronal Circuitry," <i>Developmental Dynamics</i> 211: 338-351, 1998.
	BJ	Kahan, "Immunosuppressive Therapy," <i>Current Opinion in Immunology</i> 4(5): 553-560, 1992.
	BK	Kawamura et al., "cDNA Cloning and Expression of a Novel Human Desmocollin," <i>The Journal of Biological Chemistry</i> 269(42): 26295-26302, 1994.
	BL	King et al., "Cloning of the cDNA (DSC1) Coding for Human Type 1 Desmocollin and Its Assignment to Chromosome 18," <i>Genomics</i> 18: 185-194, 1993.
✓	BM	King et al., "The Desmocollins of Human Foreskin Epidermis: Identification and Chromosomal Assignment of a Third Gene and Expression Patterns of the Three Isoforms," <i>J. Invest. Dermatol.</i> 105: 314-321, 1995.

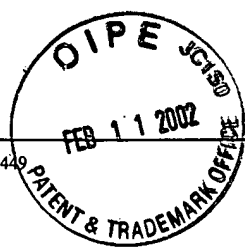
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163/
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U.S. PATENT DOCUMENTS

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CA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
CB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	CC	Koch et al., "Complete amino acid sequence of the epidermal desmoglein precursor polypeptide and identification of a second type of desmoglein gene," <i>European Journal of Cell Biology</i> 55: 200-208, 1991.
	CD	Kohmura et al., "Diversity Revealed by a Novel Family of Cadherins Expressed in Neurons at a Synaptic Complex," <i>Neuron</i> 20: 1137-1151, 1998.
	CE	Lutz et al., "Antibody Recognition of Peptide Sequences from the Cell-Cell Adhesion Proteins: N- and E-cadherins," <i>Peptide Research</i> 9(5): 233-239, 1996.
	CF	Matsuyoshi and Imamura, "Multiple Cadherins Are Expressed in Human Fibroblasts," <i>Biochemical And Biophysical Research Communications</i> 235: 355-358, 1997.
	CG	Munro et al., "Characterization of Cadherins Expressed by Murine Thymocytes," <i>Cellular Immunology</i> 169: 309-312, 1996.
	CH	Munro and Blaschuk, <i>Cell Adhesion and Invasion in Cancer Metastasis</i> , P. Brodt (ed.), RG Landes Co., Austin, Texas, 1996, Chapter 3, "The Structure, Function, and Regulation of Cadherins," pp. 17-34.
	CI	Nakagawa and Takeichi, "Neural crest cell-cell adhesion controlled by sequential and subpopulation-specific expression of novel cadherins," <i>Development</i> 121: 1321-1332, 1995.
	CJ	Navarro et al., "Differential Localization of VE- and N-Cadherins in Human Endothelial Cells: VE-Cadherin Competes with N-Cadherin for Junctional Localization," <i>The Journal of Cell Biology</i> 140(6): 1475-1484, 1998.
	CK	Okazaki et al., "Molecular Cloning and Characterization of OB-Cadherin, a New Member of Cadherin Family Expressed in Osteoblasts," <i>The Journal of Biological Chemistry</i> 269(16): 12092-12098, 1994.
✓	CL	Parker et al., "Desmosomal Glycoproteins II and III. Cadherin-Like Junctional Molecules Generated By Alternative Splicing," <i>The Journal of Biological Chemistry</i> 266(16): 10438-10445, 1991.

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Orest W. Blaschuk et al.

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163/
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U.S. PATENT DOCUMENTS

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DA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
			YES	NO
DB				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA4	DC	Ranscht and Bronner-Fraser, "T-cadherin expression alternates with migrating neural crest cells in the trunk of the avian embryo," <i>Development</i> 111: 15-22, 1991.
	DD	Ranscht and Dours-Zimmermann, "T-Cadherin, a Novel Cadherin Cell Adhesion Molecule in the Nervous System Lacks the Conserved Cytoplasmic Region," <i>Neuron</i> 7: 391-402, 1991.
	DE	Redies and Takeichi, "Cadherins in the Developing Central Nervous System: An Adhesive Code for Segmental and Functional Subdivisions," <i>Developmental Biology</i> 180: 413-423, 1996.
	DF	Sacristán et al., "T-Cadherin 2: Molecular Characterization, Function in Cell Adhesion, and Coexpression With T-Cadherin and N-Cadherin," <i>Journal of Neuroscience Research</i> 34: 664-680, 1993.
	DG	Sano et al., "Protocadherins: a large family of cadherin-related molecules in central nervous system," <i>The EMBO Journal</i> 12(6): 2249-2256, 1993.
	DH	Shibata et al., "Identification of Human Cadherin-14, a Novel Neurally Specific Type II Cadherin, by Protein Interaction Cloning," <i>The Journal of Biological Chemistry</i> 272(8): 5236-5240, 1997.
	DI	Shibata et al., "Simultaneous expression of cadherin-11 in signet-ring cell carcinoma and stromal cells of diffuse-type gastric cancer," <i>Cancer Letters</i> 99: 147-153, 1996.
	DJ	Shimazui et al., "Complex Cadherin Expression in the Renal Cell Carcinoma," <i>Cancer Research</i> 56: 3234-3237, 1996.
✓	DK	Shimoyama et al., "Isolation and Sequence Analysis of Human Cadherin-6 Complementary DNA for the Full Coding Sequence and Its Expression in Human Carcinoma Cells," <i>Cancer Research</i> 55: 2206-2211, 1995.

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EA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
EB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MSW	EC	Shimoyama et al., "Molecular Cloning and Characterization of a Novel Human Classic Cadherin Homologous with Mouse Muscle Cadherin," <i>The Journal of Biological Chemistry</i> 273(16): 10011-10018, 1998.
	ED	Simmonneau et al., "Cadherin 11 Expression Marks the Mesenchymal Phenotype: Towards New Functions for Cadherins?," <i>Cell Adhesion and Communication</i> 3: 115-130, 1995.
	EE	Slootstra et al., "Structural Aspects of Antibody-Antigen Interaction Revealed Through Small Random Peptide Libraries," <i>Molecular Diversity</i> 1: 87-96, 1995.
	EF	Sugimoto et al., "Molecular Cloning and Characterization of a Newly Identified Member of the Cadherin Family, PB-cadherin," <i>The Journal of Biological Chemistry</i> 271(19): 11548-11556, 1996.
	EG	Suzuki et al., "Diversity of the cadherin family: evidence for eight new cadherins in nervous tissue," <i>Cell Regulation</i> 2: 261-270, 1991.
	EH	Tanihara et al., "Cloning of Five Human Cadherins Clarifies Characteristic Features of Cadherin Extracellular Domain and Provides Further Evidence for Two Structurally Different Types of Cadherin," <i>Cell Adhesion and Communication</i> 2: 15-26, 1994.
	EI	Tkachuk et al., "Identification of an atypical lipoprotein-binding protein from human aortic smooth muscle as T-cadherin," <i>FEBS Letters</i> 421: 208-212, 1998.
	EJ	Vestal and Ranscht, "Glycosyl Phosphatidylinositol-anchored T-Cadherin Mediates Calcium-dependent, Homophilic Cell Adhesion," <i>The Journal of Cell Biology</i> 119(2): 451-461, 1992.
	EK	Ward and Mulligan, "Blocking of Adhesion Molecules <i>In Vivo</i> as Anti-Inflammatory Therapy," <i>Therapeutic Immunology</i> 1: 165-171, 1994.
	EL	Wheeler et al., "Desmosomal glycoprotein DGI, a component of intercellular desmosome junctions, is related to the cadherin family of cell adhesion molecules," <i>Proc. Natl. Acad. Sci. USA</i> 88: 4796-4800, 1991.

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ATTY. DOCKET NO.

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10/006,869

**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANT

Orest W. Blaschuk et al.

FILING DATE

December 3, 2001

GROUP ART UNIT

1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MAU	AA	6,031,072	02/29/00	Blaschuk et al.	530	317	
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AG	WO 00/02917	01/20/00	WIPO		
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